

IN THE CLAIMS

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12. (New) A microscope comprising:

a base body or a stand;

a stage support;

a guide for adjusting the stage support or an objective changer device with inserted objectives; and

a stage for holding the object or specimen;

said microscope further comprising:

a supporting cell being provided and being connected to the stand, preferably rigidly but so as to be exchangeable; and

a first assembly being provided for receiving, holding and adjusting the objective and a second assembly being provided for positioning the object or specimen relative to the objective, said first and second assembly are attached to said supporting cell.

13. (New) The microscope according to claim 12, wherein the supporting cell is rigidly fastened to a plurality of projections of the stand.

14. (New) The microscope according to claim 13, wherein damping and/or vibration-isolating intermediate layers are arranged between the supporting cell and the contact surfaces of the projections of the stand.

15. (New) The microscope according to claim 12, wherein the supporting cell is arranged at the stand in a springing manner.

16. (New) The microscope according to claim 12, wherein the first assembly is designed as an objective changer device and/or as an objective focusing device.

17. (New) The microscope according to claim 12, wherein the second assembly

comprises a stage support, a stage guide, and a stage.

18. (New) The microscope according to claim 12, wherein the supporting cell is optimized with respect to rigidity, use of material, dimensioning and thermal behavior while adhering to requirements for high stability and imaging quality of the microscope.

19. (New) The microscope according to claim 12, wherein an objective changer device constructed as an objective turret is arranged at the supporting cell..

20. (New) The microscope according to claim 12, wherein means for arranging a condenser are provided at the stage support.

21. (New) The microscope according to claim 12, wherein the stage guide has a guide plate that is fixedly arranged at the supporting cell and guide elements at the stage support which are in an operative connection with the guide plate.

22. (New) The microscope according to claim 12, wherein the supporting cell comprises a thermally invariant ceramic material, sintered material or other suitable material or a combination of such materials.